

PROJECTING DEVICE WITH ADJUSTABLE COLOR TEMPERATURE

Abstract

An adjustable color-temperature projecting device includes a light source for providing light beams, and a filtering means. The filtering means includes red, green and blue filtering sections. The blue filtering section has coatings with different transmissivities. The intensity of blue primary color light is varied due to the different transmissivities of the blue filtering section, so that the ratio of blue primary color light in the hybrid light is modified to cause change in color temperature with reduced loss of brightness. Then, the filtering means is moved so that the light beam is projected onto a predetermined location to obtain the desired color temperature.